

## CLAIMS

1. A closure for a valve (128) of a connector (100) of a haemostatic valve assembly, the connector (100) comprising a longitudinally extending main section (114) having a longitudinally extending, through-going passage (110;112) with the valve (128) at a proximal end of the connector, the closure comprising a closure member (130), a face (156) of which abuts a proximal end surface (152) of the main section (114), one of said face and end surface (152;156) being provided with a protrusion (158) for engaging a corresponding indentation (154) provided in the other one of said face and said end surface (152;156).  
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2. A closure according to claim 1, wherein the closure member (130) is made from a resilient material which is adapted to deform in the area of said protrusion and said indentation when said face and said end surface (152;156) are biased towards each other, so as to thereby provide a liquid tight seal near an outer periphery of the passage (110;112) at a proximal end thereof.  
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3. A closure according to claim 1 or 2, wherein the protrusion (158) is integral with the closure member (130).  
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4. A closure according to any of the preceding claims, wherein the closure member (130) defines a first and a second, opposite end surface (156;160) and at least one passage slit (164), the passage slit being normally closed and extending between the two end surfaces, the passage slit being arranged to open by a tubular member (134) being extended therethrough, the passage slit (164) having a larger extent at the first surface than at the second surface.  
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5. A closure according to claim 4, comprising a plurality of passage slits (164) which define a first, common point of contact (166) on the first surface (156) and which extend radially outwardly from the point of contact (166) at the first surface (156).
- 25 6. A closure according to claim 5, wherein the plurality of passage slits (164) define a second, common point of contact (168) on the second surface (160).
7. A closure according to any of claims 4-6, wherein at least one of the passage slits (164) has a length on the second surface (160) which is at most 1/10th of the length of that passage slit on the first surface (156).
- 30 8. A closure according to any of claims 4-7, wherein at least a portion of the first end surface (156) and at least a portion of the second end surface (166) define two substantially parallel

planes, and wherein an axis extending between the first and second common point of contact is substantially perpendicular to the two planes.

9. A closure according to any of claims 4-8, wherein at least a portion (170) of one of the first and second end surfaces (156;160) is concave.

5 10. A closure according to claim 9, wherein said concave portion (170) is provided on the second surface (160).

11. A connector (100) for a haemostatic valve assembly and comprising a closure according to any of claims 1-10.

10 12. A connector according to claim 11, wherein the valve (128) with the closure is arranged near a proximal end of the connector.

13. A connector according to claim 12, wherein the second surface (160) of the closure is oriented to face the proximal end of the connector.

14. A kit comprising a connector (100) according to any of claims 11-13, and a side arm tubing (126) for a side arm (122) of the connector.

15 15. A kit according to claim 14, further comprising a stopcock (124) to be connected to one end of the side arm tubing (126).